

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) An isolated polypeptide comprising a B5T Over-expressed Gene (BOG) BOG polypeptide fragment, said BOG polypeptide fragment comprising

- (i) at least about 90% amino acid sequence identity with SEQ ID NO: 8;
- (ii) a retinoblastoma gene product (pRB) a-pRb binding motif; and
- (iii) at least one α-casein kinase II phosphorylation motif;

wherein the polypeptide binds pRB and displaces E2F-1 bound to pRB.

2-3. (cancelled)

4. (currently amended) The BOG polypeptide fragment of claim 1, wherein said casein kinase II phosphorylation motif is located downstream of the pRb binding motif.

5. (currently amended) The BOG polypeptide fragment of claim 4, further comprising a second casein kinase II phosphorylation motif, said second casein kinase II phosphorylation motif being located upstream of the pRb binding motif.

6. (currently amended) The BOG polypeptide fragment of claim 1 joined to a detectable label.

7. (currently amended) The BOG polypeptide fragment of claim 6, wherein the detectable label includes a radioactive isotope, an enzyme, a chromophore or a mixture thereof.

8-22. (cancelled)

23. (currently amended) A chimeric molecule comprising a BOG polypeptide of claim 1 fragment fused to a heterologous amino acid sequence.

24-32. (cancelled)

33. (currently amended) An isolated polypeptide comprising:
i) at least 90% amino acid sequence identity with SEQ ID NO:2, SEQ ID NO:8 or SEQ ID NO:10;
ii) a retinoblastoma gene product produce (pRB) binding motif; and
iii) at least one casein kinase II phosphorylation motif;

wherein the polypeptide binds pRB and displaces E2F-1 bound to pRB.

34. (currently amended) The polypeptide of claim 33 comprising the an-amino acid sequence of SEQ ID NO:2.

35. (currently amended) The polypeptide of claim 33 comprising the an-amino acid sequence of SEQ ID NO:8.

36. (currently amended) The polypeptide of claim 33 comprising the an-amino acid sequence of SEQ ID NO:10.

37. (previously presented) The polypeptide of claim 33, wherein said casein kinase II phosphorylation motif is located downstream of the pRB binding motif.

38. (previously presented) The polypeptide of claim 37 further comprising a second casein II phosphorylation motif, said second casein kinase II phosphorylation motif being located upstream of the pRB binding motif.

39. (previously presented) The polypeptide of claim 33 joined to a detectable label.

40. (previously presented) The polypeptide of claim 39, wherein the detectable label comprises a radioactive isotope, an enzyme, a chromophore or a mixture thereof.

41. (previously presented) The polypeptide of claim 33 further comprising a heterologous amino acid sequence.

42. (previously presented) The polypeptide of claim 41, wherein the heterologous amino acid is a tag polypeptide.

43. (previously presented) The polypeptide of claim 41, wherein the heterologous amino acid sequence is that of an immunoglobulin constant region.

44. (previously presented) The polypeptide of claim 41, wherein the heterologous amino acid sequence is maltose binding protein.

45. (new) An isolated polypeptide comprising a polypeptide having 95% sequence identity to the amino acid sequence of SEQ ID NO:8, wherein the isolated polypeptide binds pRB and displaces E2F-1 bound to pRB.

46. (new) The isolated polypeptide of claim 45, comprising the amino acid sequence of SEQ ID NO:8.

47. (new) The isolated polypeptide of claim 1, comprising a polypeptide having 95% sequence identity to the amino acid sequence of SEQ ID NO:8.

48. (new) The isolated polypeptide of claim 47, comprising the amino acid sequence of SEQ ID NO:8.